

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

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NOV 29 2001

Docket Number-HMV-048 01

Applicant
McKeon et alFiling Date
22-May-2000Application Number
09 575580

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Group Art
1653

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT & TRADEMARK DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CMK	AA	4522752	11-Jun-1985	Sisto et al	260	112.5 R	10-May-1984
	AB	4833080	23-May-1989	Brent et al	435	172.3	12-Dec-1985
	AC	4868116	19-Sep-1989	Morgan et al	435	240.2	09-Jul-1986
	AD	4897355	30-Jan-1990	Eppstein et al.	435	240.2	29-Oct-1987
	AE	5061811	29-Oct-1991	Pinori et al.	549	274	14-Dec-1989
	AF	5096815	17-Mar-1992	Ladner et al.	435	69.1	06-Jan-1989
	AG	5176996	05-Jan-1993	Hogan et al.	435	6	22-Dec-1989
	AH	5190762	02-Mar-1993	Yarosh	424	450	23-Jan-1991
	AI	5198346	30-Mar-1993	Ladner, et al.	435	69.1	26-Jul-1990
	AJ	5223409	29-Jun-1993	Ladner et al.	435	69.7	01-Mar-1991
	AK	5252348	12-Oct-1993	Schreier et al.	424	450	30-Jul-1992
	AL	5256775	26-Oct-1993	Froehler	536	25.6	05-Jun-1990
	AM	5264564	23-Nov-1993	Matteucci	536	23.1	30-Jul-1990
	AN	5283317	01-Feb-1994	Saifer et al.	528	405	11-Oct-1991
	AO	5288514	22-Feb-1994	Ellman	427	2	14-Sep-1992
	AP	5359115	25-Oct-1994	Campbell et al.	558	110	11-Sep-1992
	AQ	5362899	08-Nov-1994	Campbell	558	108	09-Sep-1993
	AR	5459039	17-Oct-1995	Modrich et al.	435	6	18-Mar-1994
CMK	AS	5498531	12-Mar-1996	Jarrell	435	91.31	10-Sep-1993

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
CMK	AT	A43075	01-Jun-1982	EP	C12N	15/00	
CMK	AU	0259149	03-Sep-1988	EP	A61K	39/15	
	AV	1047381	02-Feb-1989	JP	C12N	15/00	
CMK	AW	WO8902468	23-Mar-1989	PCT	C12N	15/00	

	AZ	WO9106309	16-May-1991	PCT	A61K	37/22	
	BA	WO92 7573	14-May-1992	PCT	A61K	37/22	

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CITK	BB	WO9209690	11-Jun-1992	PCT	C12N	15/00		
	BC	WO9210092	25-Jun-1992	PCT	A01N	1/02		
	BD	WO9215694	17-Sep-1992	PCT	C12N	15/85		
	BE	WO9320242	14-Oct-1993	PCT	C12Q	1/70		
	BF	WO9325234	23-Dec-1993	PCT	A61K	39/12		
	BG	WO9406920	31-Mar-1994	PCT	C12N	15/86		
	BH	WO9408051	14-Apr-1994	PCT	C12Q	1/68		
	BI	WO9410300	11-May-1994	PCT	C12N	15/10		
CITK	BJ	WO9416101	21-Jul-1994	PCT	C12Q	1/68		

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

CITK	BK	Abremski et al., "Bacteriophage P1 Site-Specific Recombination, Purification and Properties of the Cre Recombinase Protein", J. Biol. Chem. 259:1509-1514 (1984).						
	BL	Arkin and Yourvan, "An Algorithm for Protein Engineering: Simulations of Recursive Ensemble Mutagenesis", PNAS USA 89:7811-7815 (1992).						
	BM	Armentano et al., "Expression of Human Factor IX In Rabbit Hepatocytes By Retrovirus-Mediated Gene Transfer: Potential for Gene Therapy of Hemophilia B", PNAS USA 87:6141-6145 (1990).						
	BN	Ausubel, F.M. et al., "Preparation of a Specific Retrovirus Producer Cell Line", Current Protocols in Molecular Biology Sections 9.10-9.14 (eds.). Greene Publishing Associates (1989).						
	BO	Balinderan et al., "Preliminary Crystallization Studies of Calmodulin-Dependent Protein Phosphatase (Calcineurin). From Bovine Brain", Molecular and Cellular Biochemistry 149/150:127-130 (1995).						
	BP	Ballas et al., "Liposomes Bearing a Quaternary Ammonium Detergent as an Efficient Vehicle for Functional Transfer of TMV-RNA Into Plant Protoplasts", Biochim. Biophys. Acta 939:8-18 (1988).						
	BQ	Banga et al., "Hydrogel-Based Ionotherapeutic Delivery Devices for Transdermal Delivery of Peptide/Protein Drugs", Pharm Res 10:697-702 (1993).						
	BR	Barany, "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase", PNAS USA 88:189-193 (1991).						
	BS	Barbas et al., "Semisynthetic Combinatorial Antibody Libraries: A Chemical Solution to the Diversity Problem", PNAS 89:4457-4461 (1992).						

1. The following information is submitted for the purpose of providing notice to the public of the prior art known to the applicant as of the date of filing of the application.

2. The following information is submitted for the purpose of providing notice to the public of the prior art known to the applicant as of the date of filing of the application.

CITK	BV	Bartlett et al., "CAVEAT: A Program to Facilitate the Structure-derived Design of Biologically Active Molecules", Spec. Publ. Roy Soc Chem 78:182-196 (1989).						
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NOV 30 2001

CHK	BW	Bailey et al., "Anion Phosphatase I Is Associated with Coated Endocytic Intermediates and Undergoes Stimulation-dependent Dephosphorylation in Nerve Terminals", Biol. Chem. 272:30984-30992 (1997)
	BX	Beals et al., "Nuclear Localization of NF-ATc by a Calcineurin-Dependent, Cyclosporin-Sensitive Intramolecular Interaction", Genes and Dev. 11:824-834 (1997).
	BY	Behr et al., "Efficient Gene Transfer Into Mammalian Primary Endocrine Cells with Lipopolyamine-Coated DNA", PNAS 86:6982-6986 (1989).
	BZ	Berkner et al., "Development of Adenovirus Vectors for the Expression of Heterologous Genes", BioTechniques 6:616-629 (1988).
	CA	Benoist et al., "In Vivo Sequence Requirements of the SV40 Early Promoter Region", Nature 290:304-310 (1981).
	CB	Blondelle et al., "Soluble Combinatorial Libraries of Organic, Peptidomimetic and Peptide Diversities", Trends Anal. Chem. 14:83-92 (1995).
	CC	Bradley et al., "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse", Current Topics in Devel. Biol. 20:357-371 (1986).
	CD	Bradley et al., "Formation of Germ-Line Chimaeras from Embryo-Derived Teratocarcinoma Cell Lines", Nature 309:255-258 (1984).
	CE	Brinster et al., "Regulation of Metallothionein-Thymidine Kinase Fusion Plasmids Injected into Mouse Eggs", Nature 296:39-42 (1982).
	CF	Brinster et al., "Factors Affecting the Efficiency of Introducing Foreign DNA into Mice by Microinjecting Eggs", PNAS 82:4438-4442 (1985).
	CG	Brooks et al., CHARMM: A Program for Macromolecular Energy, Minimization, and Dynamics Calculations", J Comput Chem 4:187-217 (1983).
	CH	Buiting et al., "Detection of Aberrant DNA Methylation in Unique Prader-Willi Syndrome Patients and its Diagnostic Implications", Human Mol. Genet. 3:893-895 (1994).
	CI	Burbaum et al., "Understanding Structural Relationships in Proteins of Unsolved Three-Dimensional Structure", Proteins 7:99-111 (1990).
	CJ	Chen et al., "Analogous Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis" JACS 116:2661-2663 (1994).
	CK	Chowdhury et al., "Long-Term Improvement of Hypercholesterolemia After ex Vivo Gene Therapy in LDLR-Deficient Rabbits", Science 254:1802-1805 (1991).

CHK	CM	Cohen et al., "Emerging Technologies for Sequencing Antisense Oligonucleotides - Capillary Electrophoresis and Mass Spectrometry - Adv Chromatogr 36:127-162 (1996)
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INFORMATION DISCLOSURE SECTION
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09 575580**RECEIVED**Applicant
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22-May-2000Group Art Unit
1653

NOV 30 2001

TECH CENTER 1600/2900

CHK	CN	Cole et al., "Monoclonal Antibodies and Cancer Therapy", Alan R. Liss, Inc. pp. 77-96 (1985).
	CO	Cotton et al., "Reactivity of Cytosine and Thymine in Single-Base-Pair Mismatches with Hydroxylamine and Osmium Tetroxide and Its Application to the Study of Mutations", PNAS USA 85:4397-4401 (1988)
	CP	Cotton, "Current Methods of Mutation Detection", Mutat Res 285:125-144 (1993).
	CQ	Crawford et al., "Hamster adapt78 mRNA Is a Down Syndrome Critical Region Homologue That Is Inductible by Oxidative Stress", Arch. Biochem. Biophys. 342:6-12 (1997).
	CR	Cwirla et al., "Peptides On Phage: A Vast Library of Peptides for Identifying Ligands", PNAS 87:6378-6382 (1990).
	CS	Dai et al., "Gene Therapy Via Primary Myoblasts: Long-Term Expression of Factor IX Protein Following Transplantation in Vivo", PNAS USA 89:10892-10895 (1992).
	CT	Dann et al., "Human Renin: A New Class of Inhibitors", Biochem Biophys Res Commun 134:71-77 (1986).
	CU	Danos et al., "Safe and Efficient Generation of Recombinant Retroviruses With Amphotropic and Ecotropic Host Ranges", PNAS USA 85:6460-6464 (1988).
	CV	Delgrave et al., "Recursive Ensemble Mutagenesis", Protein Engineering 6(3):327-331 (1993).
	CW	Derossi et al., "The Third Helix of the Antennapedia Homeodomain Translocates Through Biological Membranes", J Biol Chem 269:10444-10450 (1994).
	CX	Derossi et al., "Cell Internalization of the Third Helix of the Antennapedia Homeodomain Is Receptor-Independent", J Biol Chem 271:18188-18193 (1996).
	CY	DesJarlais et al., "Docking Flexible Ligands to Macromolecular Receptors by Molecular Shape", J. Med. Chem. 29(11):2149-2153 (1986).
	CZ	DesJarlais, "Using Shape Complementarity as an Initial Screen in Designing Ligands for a Receptor Binding Site of Known Three-Dimensional Structure", J. Med. Chem. 31(4):722-729 (1988).
	DA	Dev et al., "Electrochemotherapy—A Novel Method of Cancer Treatment", Cancer Treat Rev 20:105-115 (1994).
	DB	Devlin et al., "Random Peptide Libraries: A Source of Specific Protein Binding Molecules", Science 249:404-406 (1990).

CHK DD Duzgunes, N., "Membrane Fusion", Subcellular Biochemistry 11:195-286 (1985)

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McKeon et alFiling Date
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NOV 30 2001

TECH CENTER 1600/2900

CMK	DE	Eglitis et al., "Gene Expression in Mice After High Efficiency Retroviral-Mediated Gene Transfer", Science 230:1395-1398 (1985).
	DF	Egloff et al., "Crystal Structure of the Catalytic Subunit of Human Protein Phosphatase 1 and its Complex with Tungstates", J. Mol. Biol. 254(5): 942-959 (1995).
	DG	Eisenfield et al., "Constrained Optimization and Protein Structure Determination", Am J Physiol 261:C376-386 (1991).
	DH	Elliott et al., "Intercellular Trafficking and Protein Delivery by a Herpesvirus Structural Protein", Cell 88:223-233 (1997).
	DI	Etienne-Julan et al., "The Efficiency of Cell Targeting By Recombinant Retroviruses Depends On the Nature of the Receptor and the Composition of the Artificial Cell-Virus Linker", J. Gen Virol 73:3251-3255 (1992).
	DJ	Eubanks et al., "Peptide Substrates and Inhibitors of N-myristoyl Transferase", Peptides, Chemistry and Biology, Garland Marshall (ed.), ESCOM, Leiden, pp. 566-69 (1988).
	DK	Evans et al., "Establishment in Culture of Pluripotential Cells From Mouse Embryos", Nature 292:154-156 (1981).
	DL	Evans et al., "An Engineered Poliovirus Chimaera Elicits Broadly Retroactive HIV-1 Neutralizing Antibodies", Nature 339:385-388 (1989).
	DM	Ewenson et al., "Ketomethylene Pseudopeptide Analogues of Substance P: Synthesis and Biological Activity", J Med Chem 29:295-299 (1986).
	DN	Faux et al., "Regulation of the AKAP79-Protein Kinase C Interaction by Ca ²⁺ /Calmodulin", JBC 272:17038-17044 (1997).
	DO	Felgner et al., "Lipofection: A Highly Efficient, Lipid-Mediated DNA-Transfection Procedure", PNAS 84:7413-7417 (1987).
	DP	Ferry et al., "Retroviral-Mediated Gene Transfer Into Hepatocytes In Vivo", PNAS USA 88:8377-8381 (1991).
	DQ	Flotte et al., "Gene Expression From Adeno-Associated Virus Vectors in airway Epithelial Cells", Am J Respir Cell Mol Biol 7:349-356 (1992).
	DR	Flotte et al., "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator from a Novel Adeno-Associated Virus Promoter", J. Biol. Chem. 268:3781-3790 (1993).
	DS	Frankel et al., "Cellular Uptake of the Tat Protein from Human Immunodeficiency Virus", Cell 55:1189-1193 (1989).

CMK

Fuentes et al., "A New Human Gene From the Down Syndrome Critical Region Encodes a Proline-Rich Protein Highly Expressed in Fetal Brain and Heart", Hum. Mol. Genet. 4:1935-1944 (1995)

**INFORMATION DISCLOSURE STATEMENT
IN AN APPLICATION**

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McKeon et alFiling Date
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RECEIVED

NOV 30 2001

TECH CENTER 1600/2900

CME	DV	Gardner et al., "Synthesis of conformationally constrained CCK-4 analogs containing a substituted gamma lactam ring". Peptides: Chemistry and Biology, Adams and Marshall ed., ESCOM Publisher: Leiden, Netherlands, 123-125 (1988).
	DW	Gasparini et al., "Restriction Site Generating-Polymerase Chain Reaction (RG-PCR) for the Probeless Detection of Hidden Genetic Variation: Application to the Study of Some Common Cystic Fibrosis Mutations", Mol. Cell Probes 6:1-7 (1992).
	DX	Gautier et al., "DNA IV: anomeric and anomeric tetrathymidylates covalently linked to intercalating oxazopyridocarbazone. Synthesis, physicochemical properties and poly (rA) binding", Nucl. Acids Res. 15:6625-6641 (1987).
	DY	Gibbs et al., "Detection of single DNA base differences by competitive oligonucleotide priming", Nucleic Acids Res. 17:2437-2448 (1989).
	DZ	Goldberg et al., "Three-dimensional structure of the catalytic subunit of protein serine/threonine phosphatase-1", Nature 376:745-753 (1995).
	EA	Goodford et al., "A Computational Procedure for Determining Energetically Favorable Binding Sites on Biologically Important Macromolecules", J. Med. Chem. 28:849-857 (1985).
	EB	Gordon et al., "Design of Peptide Derived Amino Alcohols as Transition-State Analog Inhibitors of Angiotensin Converting Enzyme", Biochem Biophys Res Commun 126:419-426 (1985).
	EC	Gossler et al., "Transgenesis by means of blastocyst-derived embryonic stem cell lines", PNAS 83:9065-9069 (1986).
	ED	Goud et al., "Antibody-Mediated Binding of a Murine Ecotropic Moloney Retroviral Vector to Human Cells Allows Internalization But Not the Establishment of the Proviral State", Virology 163:251-254 (1988).
	EE	Graham et al., "Manipulation of Adenovirus Vectors", Methods in Molecular Biology, E.J. Murray, Ed. Vol. 7, pp. 109-127 (Humana, Clifton, NJ, 1991).
	EF	Green and Loewenstein, "Autonomous Functional Domains of Chemically Synthesized Human Immunodeficiency Virus Tat Trans-Activator Protein", Cell 55:1179-1188 (1988).
	EG	Griffin et al., "DNA Sequencing Recent Innovations and Future Trends", Appl Biochem Biotechnol 38:147-159 (1993).
	FH	Griffith et al., "X-Ray Structure of Calcineurin Inhibited by the Immunophilin-Immunosuppressant FKBP12-FK506 Complex", Cell 82: 507-522 (1995).
	EI	Griffiths et al., "Human anti-self antibodies with high specificity from phage display libraries", EMBO J 12:725-734 (1993).
	EJ	Guerini, D., "Calcineurin: not just a simple protein phosphatase", Biochem. Biophys. Res. Comm. 235 (2) 271-275 (1997).

G/K EI Haj-Ahmand and Graham, "Development of a Helper-Independent Human Adenovirus Vector and Its Use in the Transfer of the Herpes Simplex Virus Thymidine Kinase Gene", J. Virol. 57:267-274 (1986)

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McKeon et alFiling Date
22-May-2000Group Art Unit
1653

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NOV 30 2001

TECH CENTER 1600/29

erk	EM	Hart S et al., "Cell Binding and Internalization by Filamentous Phage Displaying a Cyclic Arg-Gly-Asp-containing Peptide", J. Biol. Chem. 269:12466-12470 (1994).
	EN	Hayashi, "PCR-SSCP: A Method for Detection of Mutations", Genet Anal Tech Appl 9(3):73-79 (1992).
	EO	Helene C., et al., "Control of Gene Expression by Triple Helix-Forming Oligonucleotides The Antigene Strategy," Ann. N.Y. Acad. Sci. 660:27-36 (1992).
	EP	Helene C., "The anti-gene strategy: control of gene expression by triplex-forming-oligonucleotides", Anticancer Drug Des. 6(6):469-84 (1991).
	EQ	Hermonat et al., Use of adeno-associated virus as a mammalian DNA cloning vector: Transduction of neomycin resistance into mammalian tissue culture cells", Proc. Natl. Acad. Sci. USA 81:6466-6470 (1984).
	ER	Higashijima, T. et al., "Regulation of Gi and Go by Mastoparan, Related Amphiphilic Peptides, and Hydrophobic Amines", J. Biol. Chem. 265:14176-14186 (1990).
	ES	Hirschberg, C. et al., "Topography of Glycosylation in the Rough Endoplasmic Reticulum and Golgi Apparatus", Ann. Rev. Biochem. 56:63-87 (1987).
	ET	Hoffman, P. et al., "Stimulation of Human and Murine Adherent Cells by Bacterial Lipoprotein and Synthetic Lipopeptide Analogues", Immunobiol. 177:158-170 (1988).
	EU	Hsu et al., "Detection of DNA point mutations with DNA mismatch repair enzymes", Carcinogenesis 15:1657-1662 (1994).
	EV	Huang et al., "Vaccinia Virus Recombinants Expressing an 11-Kilodalton β -Galactosidase Fusion Protein Incorporate Active β -Galactosidase in Virus Particles", J. Virol. 62:3855-3861 (1988).
	EW	Huber et al., "Retroviral-mediated gene therapy for the treatment of hepatocellular carcinoma: An innovative approach for cancer therapy", Proc. Natl. Acad. Sci. USA 88:8039-8043 (1991).
	EX	Huffman et al., "Reverse turn mimics", Peptides: Chemistry and Biology, G.R. Marshall ed., ESCOM Publisher: Leiden, Netherlands, 105-108 (1988).
	FY	Hwu et al., "Functional and Molecular Characterization of Tumor-Infiltrating Lymphocytes Transduced with Tumor Necrosis Factor- α cDNA for the Gene Therapy of Cancer in Humans", J. Immunol. 150:4104-4115 (1993).
	EZ	Ike et al., "Solid phase synthesis of polynucleotides. VIII. Synthesis of mixed oligodeoxyribonucleotides by the phosphotriester solid phase method", Nucleic Acid Res. 11:477-488 (1983).
	FA	Inoue et al., "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", FEBS Lett. 215:327-330 (1987).
AK	FC	Ioffe et al., "WW6: An embryonic stem cell line with an inert genetic marker that can be traced in chimeras", PNAS 92:7357-7361 (1995).

Form PTO-1449

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1653

NOV 30 2001

TECH CENTER 1600/290

CHK	FD	Itakura et al., "Synthesis and Use of Synthetic Oligonucleotides", Annu. Rev. Biochem. 53:323-356 (1984).
	FE	Itakura et al., "Chemical Synthesis and Application of Oligonucleotides of Mixed Sequence", Recombinant DNA, Proc 3 rd Cleveland Sympos. Macromolecules, ed. AG Walton, Amsterdam: Elsevier Scientific Publishing Co.: 273-289 (1981).
	FF	Itakura, "Expressions in Escherichia coli of a Chemically Synthesized Gene for the Hormone Somatostatin", Science 198:1056 (1984).
	FG	IUPAC-IUB Commission on Biochemical Nomenclature, Symbols for Amino-Acid Derivatives and Peptides ¹ Recommendations (1971) (see Biochemistry 11:1726-1732 (1972)).
	FH	Iwabuchi et al., "Use of the two-hybrid system to identify the domain of p53 involved in oligomerization", Oncogene 8:1693-1696 (1993).
	FI	Jaenich, R., "Germ line intergration and Mendelian transmission of the exogenous Moloney leukemia virus", PNAS 73:1260-1264 (1976).
	FJ	Jaenisch, R., "Transgenic Animals", Science 240:1468-1474 (1988).
	FK	Jahner et al., De novo methylation and expression of retroviral genomes during mouse embryogenesis", Nature 298:623-628 (1982).
	FL	Jahner et al., Insertion of the bacterial gpt gene into the germ line of mice by retroviral infection", PNAS 82:6927-6931 (1985).
	FM	John Wiley & Sons, N.Y., Current Protocols in Molecular Biology 6.3.1-6.3.6 (1989).
	FN	Jones et al., "Isolation of Adenovirus Type 5 Host Range Deletion Mutants Defective for Transformation of Rat Embryo Cells", Cell 16:683-689 (1979).
	FO	Karasuyama et al., "Autocrine Growth and Tumorigenicity of Interleukin 2-Dependent Helper T Cells Transfected with IL-2 Gene", J. Exp. Med. 169:13-25 (1989).
	FP	Kawamura et al., "Interaction of FKBP12-FK506 with Calcineurin A at the B Subunit-binding Domain", JBC 270:15463-1-7 (1995).
	FQ	Kay et al., "Human Gene Therapy: Persistent Expression of Human α 1-Antitrypsin in Mice after Direct Gene Delivery In Vivo", 3:641-647 (1992).
	FR	Kim et al., "Peptides Constrained to Type VI β -Turns. I. Evidence for an Exceptionally Stable Intramolecular Hydrogen Bond", J. Org. Chem. 62:2847-2852 (1997).

CHK

FI Kissinger et al., "Crystal structures of human calcineurin and the human FKBP12-FK506-calcineurin complex", Nature 378:641-644 (1995).

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NOV 30 2001

TECH CENTER 1600/2900

erk	FU	Klessig et al., "Calcineurin", Adv Enzymol 61:149-200 (1988)
	FV	Klessig et al., "Introduction, Stable Integration, and Controlled Expression of a Chimeric Adenovirus Gene Whose Product is Toxic to the Recipient Human Cell" Mol. Cell Biol. 4:1354-1362 (1984)
	FW	Kohler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256: 495-497 (1975).
	FX	Kozbar et al., "The production of monoclonal antibodies from human lymphocytes", Immunology Today 4:72-79 (1983).
	FY	Kuntz et al., "A Geometric Approach to Macromolecule-Ligand Interactions", J. Mol. Biol 161:269-288 (1982).
	FZ	Kuppuswamy et al., "Multiple functional domains of Tat, the trans-activator of HIV-1, defined by mutational analysis", Nucl. Acids Res. 17:3551-3561 (1989).
	GA	Lakso et al., "Targeted oncogene activation by site-specific recombination in transgenic mice", PNAS 89:6232-6236 (1992).
	GB	Landegran et al., "A Ligase-Mediated Gene Detection Technique", Science 241:1077-1080 (1988).
	GC	Lemaitre et al., "Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site", Proc. Natl. Acad. Sci. 84:648-652 (1987).
	GD	Leonard, N. J., "Trimethylene Bridges as Synthetic Spacers for the Detection of Intermolecular Interactions", Accounts of Chem. Res. 12: 423-429 (1979).
	GE	Letsinger et al., "Cholesteryl-conjugated oligonucleotides: Synthesis, properties, and activity as inhibitors of replication of human immunodeficiency virus in cell culture," Proc. Natl. Acad. Sci. USA 86:6553-6556 (1989).
	GF	Liu et al., "Inhibition of T Cell Signaling by Immunophilin-Ligand Complexes Correlates with Loss of Calcineurin Phosphatase Activity", Biochemistry 31:3896-3901 (1992).
	GG	Liu et al., "Calcineurin Is a Common Target of Cyclophilin-Cyclosporin A and FKBP-FK506 Complexes", Cell 66: 807-815 (1991)
	GH	Loots et al., "Acyl lysinamido phosphonates: Potent, long-acting inhibitors of angiotensin-converting enzyme", Peptides: Chemistry and Biology, (Escom Science Publishers, Leiden, p. 118 (1988).
	GI	Lybrand, "Molecular Simulation and Drug Desing", J Pharm Belg 46:49-54 (1991)

erk

GK Maher, E. J., "DNA Triple-Helix Formation: An Approach to Artificial Gene Repressors", Bioassays 14(12): 807-15 (1992)

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NOV 30 2001

TECH CENTER 1600/2900

CMK	GL	Marks et al., "Molecular Evolution of Proteins on Filamentous Phage", J. Biol. Chem. 267:16007-16010 (1992).
	GM	Martin et al., "Isotope effects on the mechanism of calcineurin catalysis: kinetic solvent isotope and isotope exchange studies", Biochim. Et Bioph. Acta. 1206:136-142 (1994).
	GN	Maxim and Gilbert, "A new method for sequencing DNA", Proc. Natl Acad Sci USA 74:560-564 (1977).
	GO	McLaughlin et al., "Adeno-Associated Virus General Transduction Vectors: Analysis of Proviral Structures", J. Virol. 62:1963-1973 (1989).
	GP	Milan et al., "The Latch Region of Calcineurin B Is Involved in Both Immunosuppressant-Immunophilin Complex Docking and Phosphatase Activation", Cell 79, 437-447 (1994).
	GQ	Miller, A.D., "Progress Toward Human Gene Therapy", Blood 76:271-278 (1990).
	GR	Mitra-Kirtley et al., "Determination of the Nitrogen Chemical Structures in Petroleum Asphaltenes Using XANES Spectroscopy", JACS 115:252-158 (1993).
	GS	Mitragotri et al., "Ultrasound-Mediated Transdermal Protein Delivery", Science 269:850-853 (1995).
	GT	Miyazaki et al., "Molecular Cloning of a Novel Thyroid Hormone-responsive Gene, ZAK1-4, in Human Skin Fibroblasts", J. Biol. Chem. 271, 14567-14571 (1996).
	GU	Mizuno et al., No Shinkei Geka 20:547-551 (1992). <i>abstract only</i>
	GV	Muzyczka et al., "Use of Adeno-Associated Virus as a General Transduction Vector for Mammalian Cells", Curr. Topics in Micro and Immunol. 158:97-129 (1992).
	GW	Myers et al., "Detection of Single Base Substitutions in Total Genomic DNA", Nature 313: 495-498 (1985).
	GX	Myers et al., "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA DNA Duplexes", Science 230:1242-1246 (1985).
	GY	Naeve, C.W. et al., "Accuracy of Automated DNA Sequencing: A Multi-Laboratory Comparison of Sequencing Results", BioTechniques 19, 448-453 (1995).
	GZ	Nagai et al. "Synthesis of a Bicyclic Dipeptide with the Shape of β -turn Central Part", Tetrahedron Lett 26: 647-650 (1985).

CMK

HB Narang, SA, "DNA Synthesis", Tetrahedron 39: 3-22 (1983)

Form PTO-1449

**INFORMATION DISCLOSURE
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number-HMV-048 01

Application Number
09 575580**RECEIVED**Applicant
McKeon et al

NOV 30 2001

Filing Date
22-May-2000Group Art Unit
1653

TECH CENTER 1600/2900

CHK	HC	Natarajan et al., "A Chemically Defined Synthetic Vaccine Model for HIV-1", Journal of Immunology, 148:914-920 (1992)
	HD	Natarajan et al., "Ketomethyl dipeptides I. A New Class of Angiotensin Converting Enzyme Inhibitors", Biochem Biophys Res Commun 124:141-147 (1984)
	HE	Navia, "Protein-drug complexes important for immunoregulation and organ transplantation", Curr. Op. Struct. Bio. 6:838-847 (1996).
	HF	Neda et al., "Chemical Modification of an Ecotropic Murine Leukemia Virus Results in Redirection of Its Target Cell Specificity", J Biol Chem 266:14143-14146 (1991).
	HG	Nelson et al., "Synthesis and Immunosuppressive Activity of Some Side-Chain Variants of Mycophenolic Acid", J. Med. Chem. 33:833-838 (1990).
	HH	O'Gorman et al., "Recombinase-Mediated Gene Activation and Site-Specific Integration in Mammalian Cells", Science 251:1351-1355 (1991).
	HI	Orban et al., "Tissue- and site-specific DNA recombination in transgenic mice", PNAS 89:6861-6865 (1992).
	HJ	Orita et al., "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", Proc Natl. Acad. Sci USA 86:2766-2770 (1989).
	HK	Pedersen, "Conformational Properties of Molecules by ab Initio Quantum Mechanical Energy Minimization", Environ Health Perspect 61:185-190 (1985).
	HL	Perez et al., "Antennapedia homeobox as a signal for the cellular internalization and nuclear addressing of a small exogenous peptide", J Cell Sci 102:717-722 (1992).
	HM	Politino et al., "Calcineurin-Phospholipid Interactions", JBC 265:7619-7622 (1990).
	HN	Posnett et al., "A Novel Method for Producing Anti-peptide Antibodies", JBC 263:1719-1725 (1988).
	HO	Prossner, J., "Detecting single-base mutations", TIBTech 11:238-246 (1993)
	HP	Quinlan et al., "Emergence of Activity-Dependent, Bidirectional Control of Microtubule-Associated Protein MAP2 Phosphorylation during Postnatal Development", J Neuroscience 16:7627-7637 (1996)
	HQ	Radhakrishna et al., "New Method for Direct Conversion of Amides to Amines" J. Org. Chem. 44:1746-1747 (1979)

HS

Roberts et al., "Directed evolution of a protein: Selection of potent neutrophil elastase inhibitors displayed on M13 fusion phage", PNAS 89:2429-2433 (1992)

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Docket Number-HMV-048 01

Application Number
09 575580Applicant
McKeon et alFiling Date
22-May-2000Group Art Unit
1653

RECEIVED

NOV 30 2001

TECH CENTER 1600/2900

CHK	HT	Robertson et al., "Cross-line transmission of genes introduced into cultured pluripotent cells by retroviral vector", Nature 322:445-448 (1986).
	HU	Rosenbaum et al., "Temperature-gradient gel electrophoresis: Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts", Biophys Chem 26: 235-246 (1987).
	HV	Rosenfeld et al., "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium", Cell 68:143-155 (1992).
	HW	Rosenfeld et al., "Adenovirus-Mediated Transfer of a Recombinant $\alpha 1$ -Antitrypsin Gene to the Lung Epithelium in Vivo", Science 252:431-434 (1991).
	HX	Roux et al., PNAS 86:9079-9083 (1989).
	HY	Ruben et al., "Structural and Functional Characterization of Human Immunodeficiency Virus tat Protein", J. Virol. 63:1-8 (1989).
	HZ	Ruoslahti, "Fibronectin and its Receptors", E. Ann. Rev. Biochem. 57:375-413 (1988).
	IA	Saiki et al., Analysis of enzymatically amplified β -globin and HLA-DQ α DNA with allele-specific oligonucleotide probes", Nature 324:163-166 (1986).
	IB	Saiki et al., "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes", PNAS U 86: 6230-6234 (1989).
	IC	Saleeba et al., "Chemical Cleavage of Mismatch to Detect Mutations", Methods Enzymol. 217:286-295 (1993).
	ID	Samulski et al., "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression", J. Virol. 63:3822-3828 (1989).
	IE	Sanger et al., "DNA sequencing with chain-terminating inhibitors", Proc. Nat. Acad. Sci 74:5463-5467 (1977).
	IF	Sarin et al., "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci USA 85 7448-7451 (1988)
	IG	Sato et al., "Synthesis and Antibiotic Activity of a Gramicidin S Analogue containing Bicyclic β -Turn Dipeptides", J. Chem. Soc. Perkin Trans I: 1231-1234 (1986).
	IH	Schlienger et al., "Human Immunodeficiency Virus Type 1 Major Neutralizing Determinant Exposed on Hepatitis B Surface Antigen Particles is Highly Immunogenic in Primates", J. Virol. 66 (4) 2570--2576 (1992)

CHK II Sells et al., "Delivery of Protein into Cells Using Polycationic Liposomes", Biotechniques 19 72-78 (1995)

INFORMATION DISCLOSURE RECAP IN AN APPLICATION

(Use several sheets if necessary).

NOV 29 2001

Docket Number-HMV-048 01

Application Number
09 575580Applicant
McKeon et alFiling Date
22-May-2000Group Art Unit
1653

RECEIVED

NOV 30 2001

TECH CENTER 1600/2900

CIK	IK	Shen et al., "Conjugation of poly-L-lysine to albumin and horseradish peroxidase" A novel method of enhancing the cellular uptake of proteins", PNAS 75:1176-1179 (1978).
	IL	Shue, Y.K. et al., "Amide Bond Surrogates: A General Synthetic Route to Trans Carbon-Carbon Double Bond Isoteres", Tetrahedron Letters 28 3225-3228 (1987).
	IM	Small et al., "Analysis of a Transgenic Mouse Containing Simian Virus 40 and v-myc Sequences", Mol. Cell Biol. 5:642-648 (1985).
	IN	Smithies et al., Nature 317: "Insertion of DNA sequences into the human chromosomal β -globin locus by homologous recombination", 230-234 (1985).
	IO	Sprague "Expression of a Recombinant DNA Gene Coding for the Vesicular Stomatitis Virus Nucleocapsid Protein", et al., J. Virol. 45:773-781 (1983).
	IP	Stein et al., "Oligodeoxynucleotides as Inhibitors of Gene Expression: A Review", Cancer Res 48:2659-2668 (1988).
	IQ	Stein et al., "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucl. Acids Res. 16:3209 (1988).
	IR	Stewart et al., "Expression of retroviral vectors in transgenic mice obtained by embryo infection", EMBO J. 6:383-388 (1987).
	IS	Stoddard et al., "Calcineurin-immunosuppressor complexes", Curr Opin Struct Biol 6:770-775 (1996).
	IT	Subbarao et al., "pH-Dependent Bilayer Destabilization by an Amphipathic Peptide", Biochemistry 26:2964-2972 (1987).
	IU	Templeton et al., "N-Terminal Amino Acid Sequences of the Polyoma Middle-Size T Antigen Are Important for Protein Kinase Activity and Cell Transformation", Mol. Cell Biol. 4:817-821 (1984).
	IV	Thomas & Capecchi, "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells", Cell 51:503-512 (1987).
	IW	Thompson et al., "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells", Cell 5:313-321 (1989).
	IX	Tratschin et al., "Genetic Analysis of Adeno-Associated Virus: Properties of Deletion Mutants Constructed In Vitro and Evidence for an Adeno-Associated Virus Replication Function", J. Virol. 51:611-619 (1984).
	IY	Tratschin et al., "A Human Parvovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient Expression and Encapsulation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", Mol. Cell Biol. 4:2072-2081 (1985).

JA

van Beusechem et al., "Long-term expression of human adenosine deaminase in rhesus monkeys transplanted with retrovirus-infected bone-marrow cells", Proc. Natl. Acad. Sci. USA 89:7640-7644 (1992).

Form PTO-1449

**INFORMATION DISCLOSURE STATEMENT
IN AN APPLICATION**

(Use several sheets if necessary)

NOV 29 2001

Docket Number-HMV-048 01

Application Number
09 575580

RECEIVED

Applicant
McKeon et al

NOV 30 2001

Filing Date
22-May-2000Group Art Unit
1653

TECH CENTER 1600/2900

CK	JB	Van der Putten et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences". Biotechniques 6:958-976 (1988).
	JC	Van der Putten et al., "Efficient insertion of genes into the mouse germ line via retroviral vectors". PNAS 82:6148-6152 (1985).
	JD	Wagner et al., "Nucleotide sequence of the thymidine kinase gene of herpes simplex virus type 1". Proc. Natl. Acad. Sci. USA 78:1441-1445 (1981).
	JE	Watanabe et al., "Identification in the Calcineurin A Subunit of the Domain That Binds the Regulatory B Subunit". JBC 270:456-460 (1995).
	JF	Webb and Hurskainen, "Transcription-Specific Assay for Quantifying mRNA: A Potential Replacement for Reporter Gene Assays". Journal of Biomolecular Screening 1:119-121 (1996).
	JG	Wei et al., "Mutagenesis of the L7 Loop Connecting 7 th Strands of 12 and 13 of Calcineurin: Evidence of a Structural Role in Activity Changes". Biochemistry 36, 7418-7424 (1997).
	JH	Weiner et al., "A New Force Field For Molecular Mechanical Simulation of Nucleic Acids and Proteins". J. Am. Chem. Soc., 106:765-784 (1984).
	JI	Weiner, P.K et al., "AMBER: Assisted Model Building with Energy Refinement. A General Program for Modeling Molecules and Their Interactions". J. Comput. Chem. 2 (3): 287-303 (1981).
	JJ	Williams et al., "2-Substituted Piperazines as Constrained Amino Acids. Application to the Synthesis of Potent, Non Carboxylic Acid Inhibitors of Farnesyltransferase". J. Med. Chem. 39:1345-1348 (1996).
	JK	Wilson et al., "Retrovirus-mediated transduction of adult hepatocytes". Proc. Natl. Acad. Sci. USA 85:3014-3018 (1988).
	JL	Wolfe et al., "Herpesvirus vector gene transfer and expression of β -glucuronidase in the central nervous system of MPSVII mice". nature Genetics 1:379-384 (1992).
	JM	Wondisford et al., "Cloning of the Human Thyrotropin β -Subunit Gene and Transient Expression of Biologically Active Human Thyrotropin after Gene Transfection". Mol. Endocrinol. 2 32-39 (1988).
	JN	Xi et al., J. "Elevated Conformational Rigidity in Dipeptides Incorporating Piperazine Acid Derivatives". Am. Chem. Soc. 120:80-86 (1998).
	JO	Yamada et al., "Overproduction of the protein product of a nonselected foreign gene carried by an adenovirus vector". PNAS 82:3567-3571 (1985).
	JP	Yamamoto et al., "Identification of a Functional Promoter in the Long Terminal Repeat of Rous Sarcoma Virus". Cell 22 787-797 (1980).

CK

JR

Zervos et al., "Mx1, a Protein That Specifically Interacts with Max to Bind Myc-Max Recognition Sites". Cell 72 223-232 (1993)

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary).

Docket Number-HMV-048 01

Application Number
09 575580Applicant
McKeon et alFiling Date
22-May-2000Group Art Unit
1653

RECEIVED

NOV 30 2001

TECH CENTER 1600/2900

NOV 29 2001

PATENT & TRADEMARK OFFICE

CAC	JS	Zhuo et al, "Mutational Analysis of a Ser/Thr Phosphatase", JBC 269:26234-238 (1994).
CAC	JT	Zon, "Oligonucleotide Analogues as Potential Chemotherapeutic Agents", Pharm. Res. 5:539-549 (1988).
EXAMINER	Chh	DATE CONSIDERED 11/23/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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09 575,580

Applicant
McKeon et alFiling Date
May 22, 2000Group Art Unit
1653**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CMK	JU 5,869,318	2/9/99	Palleja et al	435	252.3	6/7/96

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

CMK	JV	Purroy, et al. (2000). Detection of Two Novel Large Deletions in SLCA1 by Semi-Quantitative Fluorescent Multiplex PCR, <i>Human Mutation</i> 115: 373-379
	JW	Fuentes, et al. (1999). Application of Alu-Splice PCT on chromosome 21: DSCR1 and Intersection; <i>Journal of Neural Transmission, Suppl.</i> 578, 337-352
	JX	Guimera, et al. (1997). Cosmid Contig and Transcriptional Map of Three Regions of Human Chromosome 21q22: Identification of 37 Novel Transcripts by Direct Selection; <i>Genomics</i> 45, 59-67
	JY	Strippoli et al. (2000). A new Gene Family Including DSCR1 (Down Syndrome Candidate Region 1) and ZAKI-4; Characterization from Yeast to Human and Identification of DSCR1-like 2, a Novel Human Member (DSCR1L2). <i>Genomics</i> , 64,252-263
	JZ	Fuentes, et al. (1997). Genomic Organization, Alternative Splicing, and Expression Patterns of the DSCR1 (Down Syndrome Candidate Regional) Gene. <i>Genomics</i> , 44, 358-361
CMK	KA	Rothermel et al (2000). A Protein Encoded within the Down Syndrome Critical Region Is Enriched in Striated Muscles and Inhibits Calcineurin Signaling. <i>J. Biol Chem</i> , Vol. 275, Issue 12, 8719-8725.

EXAMINER		DATE CONSIDERED 1/25/02
----------	---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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